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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/086,737	03/04/2002	Jukka Kela	1030.41370X00	2202
20457	7590	05/04/2005	EXAMINER	
ANTONELLI, TERRY, STOUT & KRAUS, LLP 1300 NORTH SEVENTEENTH STREET SUITE 1800 ARLINGTON, VA 22209-3873			DUONG, THOI V	
			ART UNIT	PAPER NUMBER
			2871	

DATE MAILED: 05/04/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/086,737

Applicant(s)

KELA ET AL.

Examiner

Thoi V. Duong

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 08 February 2005.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 19-40 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 19-40 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

1. This office action is in response to the Amendment filed February 08, 2005.

Accordingly, claims 19, 21-24, 31 and 32 were amended, claims 1-18 were cancelled, and new claims 35-40 were added. Currently, claims 19-40 are pending in this application.

### ***Response to Arguments***

2. Applicant's arguments with respect to claims 19, 31 and 32 have been considered but are moot in view of the new ground(s) of rejection.

### ***Claim Objections***

3. Claim 19 is objected to because of the following informalities: claim 19 recites the limitation "the periphery" in line 12. There is insufficient antecedent basis for this limitation in the claim. Appropriate correction is required.

### ***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 19-40 are rejected under 35 U.S.C. 103(a) as being unpatentable over Inubushi et al. (Inubushi, USPN 6,604,453) in view of Hasegawa (USPN 6,608,664 B1).

Re claims 19 and 32, as shown in Figs. 1-4, Inubushi discloses a method for arranging a liquid crystal display, comprising:

attaching a liquid crystal display 4, including a window comprising a window cover 2 which covers the liquid crystal display to provide protection thereof, to a housing including first and second housing parts 9 and 1, wherein the first housing part 9 covers a side periphery of the liquid crystal display and a bottom surface of the liquid crystal display, and the second housing part 1 covers a periphery of a top surface of the liquid crystal display, and wherein the housing including a cavity located between side walls of the housing and a side periphery of the liquid crystal display (Fig. 3);

applying an elastic member 7 between a top surface of the liquid crystal display and the second part 1 of the housing, the elastic member 7 contacting the first housing part 9 and including a portion which contacts an under surface of the window to seal a space between a top of the liquid crystal display and the under surface (see Fig. 4 below),

wherein, re claim 31, the elastic member 7 establishes a pressure on the top surface of the liquid crystal display 4 which retains the relative position between the liquid crystal display and the housing parts (col. 4, lines 33-38);

wherein the elastic member 7 surrounds an inner periphery of the second housing part 1 with the elastic member 7 applying a retaining force on a top surface of the liquid crystal display 4 (col. 4, lines 48-52);

wherein, re claim 20, the elastic part 7 surrounds an inner periphery of the second housing part 1;

wherein, re claim 21, the elastic part 7 (rubber sheet) is flexible and is located on the second housing part 1 to provide pressure on the liquid crystal display 4 and provide

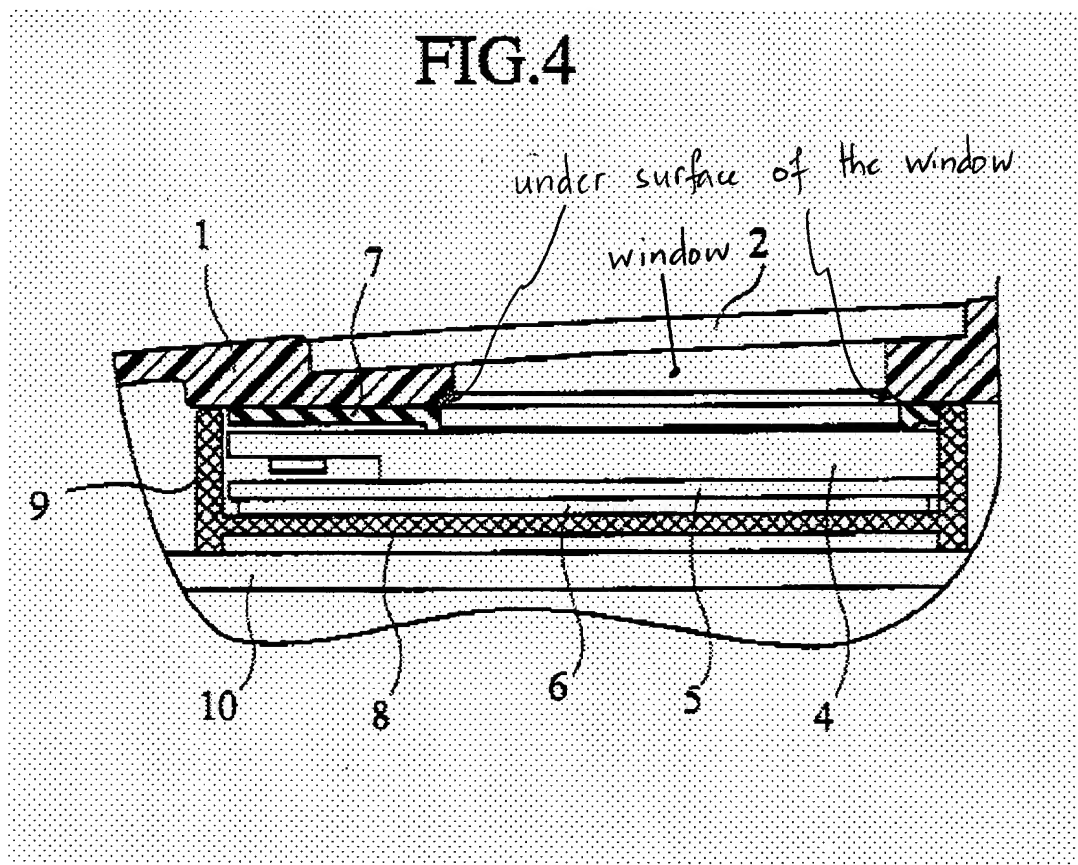
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a dust-proof seal between the window of liquid crystal display and the housing (col. 4, lines 48-52); and

wherein, re claim 34, 35 and 38-40, the elastic member 7 contacts the second housing part 1.

Re claims 22-24, as shown in Fig. 4, Yamanaka discloses a side connector located on the left of the liquid crystal display 4 and a printed circuit board 10.

Finally, re claims 25-30, 36 and 37, Yamanaka discloses a communication terminal such as a mobile phone comprising the display arrangement shown above (col. 1, lines 6-8).



It is noted that the window is an opening in relation to the second housing part 1 on top of the liquid crystal display 4 and the inner periphery of the elastic member 7 contacts the under surface of the opening as shown in Fig. 4 above.

Inubushi discloses a method that is basically the same as that recited in claims 19 and 31-33 except for applying an adhesive member along a periphery of a bottom surface of the liquid crystal display and attaching the liquid crystal display to a first housing part.

As shown in Fig. 2, Hasagawa discloses a method for arranging a liquid crystal display 100 comprising applying an adhesive member 106 along a periphery of a bottom surface of the liquid crystal display and attaching the liquid crystal display to a first housing part 105 to securely fix the liquid crystal display to the housing (col. 2, lines 41-46).

Thus, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the method of Inubushi with the teaching of Hasegawa by applying an adhesive tape along a periphery of a bottom surface of the liquid crystal display and attaching the liquid crystal display to a first housing part to prevent the liquid crystal display from being dislocated or deformed due to vibration or shock (col. 2, lines 41-46).

### ***Conclusion***

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thoi V. Duong whose telephone number is (571) 272-2292. The examiner can normally be reached on Monday-Friday from 8:30 am to 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Kim, can be reached at (571) 272-2293.

  
ROBERT H. KIM  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2800

Thoi Duong



04/28/2005